

Group 1812

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)
PR	AA	4,804,744	2/14/89	Sen	530	350	
7	AB	4,774,228	9/27/88	Seyedin	514	21	
	AC	4,774,322	9/27/88	Seyedin	530	353	
	AD	4,434,094	2/28/84	Seyedin and Thomas	530	416	
	AE	4,627,982	12/9/86	Seyedin and Thomas	424	95	
	AF	4,563,350	1/7/86	Nathan	424	95	
	AG	4,294,753	10/31/81	Urist	530	395	
	AH	4,455,256	6/19/84	Urist	530	350	
PR	AI	4,968,590	11/6/90	Kuberasampath and Rueger	530	326	
	AJ	4,761,471	8/2/88	Urist	530	350	

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes/No
PR	BA	4 165 78A2	5/9/90	European Patent Appln.	C12N	15/00	
I	BB	4 094 72 A1	11/7/90	European Patent Appln.	C12N	15/12	
I	BC	33 6760	6/4/89	European Patent Appln.	C07K	7/00	
I	BD	2 017466	5/24/90	Canada	C12N	15/16	
PR	BE	WO 91/18047	11/28/91	WIPO			

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10/28/03

Serial No. ~~07-658-579~~

INFORMATION DISCLOSURE STATEMENT

Applicant(s) Elizabeth A. Wang et .

Filing Date March 18, 1991

Group 1812

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS							
Examiner (Initial)		Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)
SR	AK	4,789,732	12/6/88	Urist	530	350	
	AL	4,608,199	8/26/86	Caplan and Syftestad	530	414	
	AM	4,681,763	7/21/87	Nathanson	424	95	
	AN	4,737,578	4/12/88	Evans	530	350	
	AO	4,798,885	1/17/89	Mason	530	350	
	AP	4,810,691	3/7/89	Seyedin	514	2	
	AQ	4,843,063	6/27/89	Seyedin	514	2	
	AR	5,011,691	4/30/91	Oppermann	424	423	
	AS	4,886,747	12/12/89	Deryock			
	AT	5,108,753	4/28/92	Kuberassampath			
	AU	5,106,626	4/21/92	Parsons et al.			
	AV	4,619,989	10/1986	Urist	530	417	
	AW	4,795,804	1/1989	Urist	530	350	

DR AX 5,168,050

12/1/92 HAMMONDS
FOREIGN PATENT DOCUM

1,192 ADMMIOPES
FOREIGN PATENT DOCUMENTS

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Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes/No
APR	BF	WO 89/09787	10/29/89	WIPO	C07K	13/00	
	BG	WO 89/09788	10/19/89	WIPO	C07K	13/00	
	BH	WO 90/03733	4/19/90	WIPO	A01N	63/02	
	BI	WO 91/02744	3/7/91	WIPO	C07K	15/06	
APR	BJ	WO 91/05802	5/2/91	WIPO	C07K	15/00	

OTHER DOCUMENTS (Including Author, Title, Pertinent Pages, etc.)

[illegible]

Examiner

David Romeo

Date Considered

10/28/03

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Chen M. Zeng

Sheet 1 of 3

Form PTO-1449 (REV. 5-3-82)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. GI 5071 H	SERIAL NO. <u>02/604,625</u> 179,100	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Elizabeth Wang, et al.		
				FILING DATE 8 April 1988		
				GROUP 185		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PR	4 8 0 4 7 4 4	2/14/89	Sen			
	4 7 7 4 2 2 8	9/27/88	Seyedin			
	4 7 7 4 3 2 2	9/27/88	Seyedin			
	4 4 3 4 0 9 4	2/28/84	Seyedin and Thomas			
	4 6 2 7 9 8 2	12/9/86	Seyedin and Thomas			
	4 5 6 3 3 5 0	1/7/86	Nachan			
	4 2 9 4 7 5 3	10/31/81	Urist			
	4 4 5 5 2 5 6	6/19/84	Urist			
	4 9 6 8 5 9 0	11/6/90	Kuberasampath and Rueger			
	4 7 6 1 4 7 1	8/2/88	Urist			
PR	4 7 8 9 7 3 2	12/6/88	Urist			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
PR	1 6 9 0 1 6	1/22/86	Europe			
	1 4 8 1 5 5	7/10/85	Europe			
PR	3 3 6 7 6 0	6/4/89	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
PR		Urist, et al., Science 220: 680-686 (1983)				
PR		Sampath, et al., Proc. Natl. Acad Sci 84: 7109-7113 (1987)				
EXAMINER <u>James R. Jones</u>			DATE CONSIDERED 10/28/02			
EXAMINER Initials, if extension considered, whether or not extension is in conformance with MPEP 509, One line through extension if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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Form PTO-1449
(REV. 3-32)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

GI 5151A

SHEET 3 OF 3

SERIAL NO.

~~07/370,547~~ 09/804,625

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Wozney, et al.

FILING DATE

June 23, 1989

GROUP

184

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
4R	4 6 0 8 1 9 9	8/26/86	Caplan and Syftestad			
	4 6 8 1 7 6 3	7/21/87	Nachanson			
	4 7 3 7 5 7 8 4	12/88	Evans			
	4 7 9 8 8 8 5 1	1/17/89	Mason			
	4 8 1 0 6 9 1	3/7/89	Seyedin			
4R	4 8 4 3 0 6 3	6/27/89	Sevedin			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

James R. Roms

DATE CONSIDERED

10/28/07

*EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Group 1813

10/28/03

Form PTO-1449
(REV. 5-83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

GI 5160C

05/804,625
07/721,847

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT

E. Wang et al.

FILING DATE

14 June 1991

GROUP

1814

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO
AR	4 8 0 4 7 4 4	2/14/89	Sen			
	4 7 7 4 2 2 8	9/27/88	Seyedin			
	4 7 7 4 3 2 2	9/27/86	Seyedin			
	4 4 3 4 0 9 4	2/28/84	Seyedin and Thomas			
	4 6 2 7 9 8 2	12/9/86	Seyedin and Thomas			
	4 5 6 3 3 5 0	1/7/86	Nathan			
	4 2 9 4 7 5 3	10/31/81	Urist			
	4 4 5 5 2 5 6	6/19/84	Urist			
	4 9 6 8 5 9 0	11/6/90	Kuberasampath and Rueger			
	4 7 6 1 4 7 1	8/2/88	Urist			
AR	4 7 8 9 7 3 2	12/6/88	Urist			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA YES
AR	04 1 6 5 7 8 A 2	5/9/90	Europe			
	04 0 9 4 7 2 A 1	11/7/90	Europe			
	3 3 6 7 6 0	6/4/89	Europe			
	2 0 1 7 4 6 6	5/24/90	Canada			
AR	WO 9 1 1 8 0 4 7	11/28/91	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Urist, et al, <u>Science</u> , 220: 680-686 (1983)
AR	Luyten, et al, <u>The Journal of Biological Chemistry</u> , 264(23): 13377-1338 (August 15, 1989)
AR	Sampath, et al, <u>Proc. Natl. Acad. Sci.</u> , 84: 7109-7113 (1987)
	Ozkanov, et al., <u>The EMBO Journal</u> , v.9 no.7: 2085-2093 (1990)

EXAMINER

James Rowe

10/25/01

DATE CONSIDERED

Form PTO-1449
(REV. 2-83)

U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
GI 5160C

Sheet 2 of 2
SERIAL NO. 09/804,625
07/721,847

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT

E. Wang et al

FILING DATE

14 June 1991

GROUP

1814

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>PR</u>	4 6 0 8 1 9 9	8/26/86	Caplan and Syftestad			
	4 6 8 1 7 6 3	7/21/87	Nathanson			
	4 7 3 7 5 7 8	4/12/88	Evans			
	4 7 9 8 8 8 5	1/17/89	Mason			
	4 8 1 0 6 9 1	3/7/89	Seyedin			
	4 8 4 3 0 6 3	6/27/89	Seyedin			
	5 0 1 1 6 9 1	4/30/91	Oppermann			
	4 8 8 6 7 4 7	12/12/89	Derynck			
	5 1 0 8 7 5 3	4/28/92	Kuberasampath et al.			
<u>PR</u>	5 1 0 6 6 2 6	4/21/92	Parsons et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
<u>PR</u>	WO 8 9 0 9 7 8 7	10/29/89	WIPO				
	WO 8 9 0 9 7 8 8	10/19/89	WIPO				
	WO 9 0 0 3 7 3 3	4/19/90	WIPO				
	WO 9 1 0 2 7 4 4	3/7/91	WIPO				
<u>PR</u>	WO 9 1 0 5 8 0 2	5/2/91	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>PR</u>	<u>Hammonds et al Molecular Endocrinology 5: 149-155 (1991)</u>

EXAMINER

James Rame

DATE CONSIDERED

10/28/03